

## SEQUENCE LISTING

<110> Stanton, Jr., Vincent P.

<120> GENE SEQUENCE VARIANCES IN GENES RELATED  
TO FOLATE METABOLISM HAVING UTILITY IN  
DETERMINING THE TREATMENT OF DISEASE

<130> 11926-092001

<140> 09/638,267

<141> 2000-08-14

<150> 09/596,033

<151> 2000-06-15

<150> 09/357,743

<151> 1999-07-20

<150> 09/357,024

<151> 1999-07-19

<150> 60/093,484

<151> 1998-07-20

<160> 1

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 2196

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

<221> misc\_feature

<222> 1784

<223> n = a or g

<221> misc\_feature

<222> 464

<223> n = g or t

<221> misc\_feature

<222> 120, 519, 668, 1059, 1308

<223> n = c or t

<221> misc\_feature

<222> 1289

<223> n = c or a

<400> 1

aattccggag ccatggtgaa cgaagccaga ggaaacagca gcctcaaccc ctgcttggag 60  
ggcagtgcc a gcagtggcag tgagagctcc aaagatagtt cgagatgttc caccgccggg 120

ctggaccctg	agcggcatga	gagactccgg	gagaagatga	ggcggcgatt	ggaatctggt	180
gacaagtggg	tctccctgga	attcttccct	cctcgaactg	ctgaggggagc	tgtcaatctc	240
atctcaagg	ttgaccggat	ggcagcaggt	ggccccctct	acatagacgt	gacctggcac	300
ccagcaggtg	accctggctc	agacaaggag	acctcctcca	tgatgatcgc	cagcaccgcc	360
gtgaactact	gtggcctgga	gacctcctg	cacatgacct	gctgccgtca	gcgcctggag	420
gagatcacgg	gccatctgca	caaagctaag	cagctggggc	tgangaacat	catggcgctg	480
cggggagacc	caatagggtga	ccagtgggaa	gaggaggang	gaggcttcaa	ctacgcagtg	540
gacctggtga	agcacatccg	aagtgagttt	ggtgactact	ttgacatctg	tgtggcaggt	600
taccccaaag	gccacccga	agcagggagc	tttgaggctg	acctgaagca	cttgaaggag	660
aagggtgntg	cgggagccga	tttcatcatc	acgcagcttt	tctttgaggc	tgacacattc	720
ttccgctttg	tgaaggcatg	caccgacatg	ggcatcactt	gccccatcgt	ccccgggac	780
tttcccatcc	agggctacca	ctcccttcgg	cagcttgatg	agctgtccaa	gctggagggtg	840
ccacaggaga	tcaaggacgt	gattgagcca	atcaaagaca	acgatgctgc	catccgcaac	900
tatggcatcg	agctggccgt	gagcctgtgc	caggagcttc	tggccagtg	cttggtgcc	960
ggcctccact	tctacaccct	caaccgcgag	atggctacca	cagagggtgt	gaagcgctg	1020
gggatgtgga	ctgaggaccc	caggcgctcc	ctaccctgng	ctctcagtg	ccaccccaag	1080
cgcgagagg	aagatgtacg	tcccatcttc	tgggcctcca	gaccaaagag	ttacatctac	1140
cgtacccagg	agtgggacga	gttccctaac	ggcgcgtggg	gcaattcctc	ttccctgcc	1200
tttggggagc	tgaaggacta	ctacctcttc	tacctgaaga	gcaagtcccc	caaggaggag	1260
ctgctgaaga	tgtgggggga	ggagctganc	agtgaagcaa	gtgtcttnga	agtctttgtt	1320
ctttacctct	cgggagaacc	aaaccggaat	gtcacaaaag	tgacttgcct	gccctggaac	1380
gatgagcccc	tggcggctga	gaccagcctg	ctgaaggagg	agctgctgcg	ggtgaaccgc	1440
cagggcatcc	tcaccatcaa	ctcacagccc	aacatcaacg	ggaagccgtc	ctccgacccc	1500
atcgtgggct	ggggccccag	cgggggctat	gtcttcaga	aggcctactt	agagtttttc	1560
acttcccgcg	agacagcgga	agcacttctg	caagtgtga	agaagtacga	gctccggggt	1620
aattaccacc	ttgtcaatgt	gaagggtgaa	aacatcacca	atgccccctga	actgcagccg	1680
aatgctgtca	cttggggcat	cttccctggg	cgagagatca	tccagcccac	cgtagtggat	1740
cccgtcagct	tcatgttctg	gaaggacgag	gcctttgccc	tgtngattga	gcggtgggga	1800
aagctgtatg	aggaggagtc	cccgtcccgc	accatcatcc	agtacatcca	cgacaactac	1860
ttcctgggtca	acctgggtgga	caatgacttc	ccactggaca	actgcctctg	gcagggtggtg	1920
gaagacacat	tggagcttct	caacaggccc	acccagaatg	cgagagaaac	ggaggctcca	1980
tgacctgcg	tcttgacgcc	ctgcgttgga	gccactcctg	tcccgccttc	ctcctccaca	2040
gtgctgcttc	tcttgggaa	tccactctcc	ttcgtgtctc	tcccacccc	gcctccactc	2100
ccccacctga	caatggcagc	tagactggag	tgaggcttcc	aggctcttcc	tggacctgag	2160
tcggtccccc	atgggaacct	agtactctct	gctcta			2196